

**Product** - Automatic Die Cutting Machine with Stripping  
Lead Edge Feeder  
**Model** - MHC-1500FC  
**Warranty** - 2 Years



Please Note that the picture is for **Illustration Only** and may vary from the equipment offered.

## Processed Materials:



Corrugated Board



Packaging: boxes

## Features

1. CE Approved
2. Centre Line System
3. Three Side Stripping System
4. Full Auto Pre-Loader
5. Non-Stop Delivery System
6. Human Machine Interface
7. Wide Stock Range for Corrugated Board (up to 8.5 mm)
8. Photoelectrical Device for Safe Operation
9. High Speed and Precision Feeder Equipped
10. ISO: 9001 and CE Approved Manufacturing Process
11. European, Taiwan and Japanese Standard Spare Parts

## Machine Configuration:

S. No.	Features	Include	Qty.	Worth INR
1	Operation Platform	Y	1 No.	
2	Die Chase (One is installed in Machine; the other is packed in accessory box)	Y	2 Nos.	
3	5 + 2 mm Sandwich Plate (2mm Cutting Plate Made in Germany)	Y	1 No.	
4	Spare Gripper Bar	Y	1 No.	
5	Gripper Bar Safety Lock	Y	1 No.	
6	Set of Tools	Y	1 No.	
7	Optional Extra Die Chase	N	1 No.	1,51,500/-
8	Optional Extra 5mm Hardened Die Cutting Plate from Germany	N	1 No.	1,96,500/-
9	Optional Extra 2mm Hardened Die Cutting Plate from Germany	N	1 No.	19,500/-
10	Optional Extra 2mm Hardened Die Cutting Plate from China	N	1 No.	8,250/-
11	Optional Stripping Waste Basket	N	1 No.	39,286/-
12	Optional Extra Gripper Bar Assembly with Connectors	N	1 No.	83,500/-
13	Optional Speed Display	N	1 No.	50,000/-
14	Optional Tape Inserter (Including 8 Tapes)	N	1 No.	55,000/-
15	Optional PLC Remote Controller (For Software Upgrade and Maintenance)	N	1 No.	1,50,000/-
16	Optional Die Chase Loader (Without Die Chase) - For Pre-Make Ready of Next Job	N	1 No.	8,25,000/-

## Technical Specifications:

Max. Sheet Size	1500 X 1100 mm
Min. Sheet Size	550 X 450 mm
Max. Cutting Size (7mm Plate)	1480 X 1080 mm
Max. Cutting Size (2mm Plate)	1460 X 1060 mm
Max. Cutting Pressure	300 Tons
Stock Range	B, C, A Flute, and double wall or corrugated board up to 8.5mm
Max. Speed	5000 sheets/hour
Pressure Adjusting Range	+/- 1.5 mm
Minimum Gripper Margin	12-17mm
Total Power Required	22 Kw
Machine Dimensions Including Work Platform	L X W X H: 9400 X 4600 X 2300mm
Net Weight	20 Tons
Container type	One 40' HQ container and one 40' Flat Rack

## Lead Edge Feeder:

1. Lead edge feeder allows consistent and precise feeding of wide range corrugated board.
2. High vacuum blower.



## Feeding Table:

1. Left and right-side push lays to ensure accurate alignment and power registration.
2. Adjustable rubber wheels achieve precise paper feeding.
3. Secondary chain guide: it can prevent the gripper bar from hitting the guide plate when the machine runs at high speed.



## Die-Cutting Section:

1. Pressure-containing member adopts high-strength nodular cast iron-QT500 and special casting process thus, it has high strength and never deforms.
2. The Ni-Cr-Mo metal steel crank shaft Through the special craft processing, imported from Germany.
3. Super wear-resistant worm and gear imported from Taiwan.



4. Air cushion underneath the cutting plate for easy Cutting plate in & out.
5. Sheet arrival and departure check photo sensor.
6. Knife template turnover device that is convenient and fast Strong Auto forced lubrication system.
7. High-precision 240-degree intermittent mechanism from Taiwan.
8. Pneumatic locking device, safe and fast.
9. High-speed rotary joint from Italy.
10. Adopt advanced Germany Siemens motor.
11. Die cutting plate frame, adopting central positioning system.
12. 10.4-inch colour screen, displaying the working state of machine all the time.

## **Stripping Section:**

1. Three side stripping function.
2. Male/female stripping plate for different stripping jobs.
3. Centerline system for quick stripping die set up and job change.



## **Delivery Section:**

1. Non-Stop Delivery System.
2. Delivery Control Panel with Icons for Easy Operation.
3. Photoelectric device for safe operation and entrance.





## Electrical Control Section:

1. Adopts electrical components of world-famous brands for better performance and in time and local after-sale-service and maintenance.
2. Siemens's latest PLC technology to ensure safe and trouble-free running.



## Machine Main Parts:

NO.	MAIN PARTS	BRAND	COUNTRY(REGION)
1	Main Motor	SIEMENS	Germany
2	Man-Machine Interface	SIEMENS	Germany
3	Chip	SIEMENS	Germany
4	Control Centre	SIEMENS	Germany
5	Program Controller	SIEMENS	Germany
6	Inverter	SIEMENS	Germany
7	Die Pressing Base Plate	5 +2mm HIGH ALLOY PLATE	Germany
8	Intermittent Segmentation	HANDEX	Taiwan
9	Rotary Joint	OMPI	Italy
10	Electromagnetic Clutch	OMPI	Italy
11	Electromagnetic Gear Clutch	OMPI	Italy
12	Crankshaft Material	Ni-Cr-Mo METAL STEEL	Germany
13	Main Drive Chain	IWIS	Germany
14	Secondary Chain	TSUBAKIMOTO	Japan
15	Grip Bar, Gripper	KUI	Japan
16	Indicator Light	MOELLER/EATON	Germany
17	Circuit Breaker	MOELLER/EATON	Germany
18	Safety Relay	MOELLER/EATON	Germany
19	Security Module	MOELLER/EATON	Germany
20	Button	MOELLER/EATON	Germany
21	Motor Protector	MOELLER/EATON	Germany
22	Magnetic Switch	MOELLER/EATON	Germany
23	AC Contactor	MOELLER/EATON	Germany
24	Button	MOELLER/EATON	Germany

25	Relay	MOELLER/EATON	Germany
26	Photoelectric Switch	OMRON	Japan
27	Relay Seat	OMRON	Japan
28	Proximity Switch	OMRON	Japan
29	Encoder	OMRON	Japan
30	Sensor	OMRON	Japan
31	Bearing	NSK	Japan
32	Cable	TKD	Germany
33	Air Cylinder	AIRTAC	Taiwan
34	Air Volume Regulator	SMC	Japan
35	Main Solenoid Valve	SMC	Japan
36	Linear Guide	ABBA	Taiwan
37	Worm and Gear	WANCENG	Taiwan
38	Wallboard and Machine Body Structure	QT500-7 nodular cast iron	China
39	Vacuum Pump	BECKER	Germany



## Current Product Range Covers

### BHT Model (Most Advance Series)

1. Automatic Die Cutting Machine with Four Side Stripping, Heating System and 600 Tons Cutting Pressure  
BHT-1060/1060A/1060AR/1060CE/1060ACE/1060ACER/1060SCE/  
1060ASCER

### MHK Model (Efficient Series)

1. Automatic Die Cutting Machine with Four Side Stripping  
MHK-820/820CE/MHK-1050/1050CE
2. Automatic Die Cutting & Hot Stamping Machine  
MHK-820T/1050AT
3. Automatic Die Cutting & Hot Stamping Machine with Four Side Stripping  
MHK-/820TC/1050ATC
4. Automatic Lead Edge Feeding Die Cutting Machine with Four Side Stripping  
MHK-1300FC/1500FC/1650FC/1900FC
5. Automatic Bottom Feeding Die Cutting Machine with Four Side Stripping  
MHK-1300EFC/1500EFC/1650EFC/1900EFC
6. Auto-Manual Die Cutting Machine with Four Side Stripping (Top Feeding)  
MHK-1300EC/1500EC/1650EC/1900EC
7. Duo Press Automatic Die Cutting Machine with Double Station  
MHK-2S1050RMC/2S1050TMC/2S1050TRC/2S1050TTC
8. Trio Press Automatic Die Cutting Machine with Triple Station  
MHK-3S1050TRMC/3S1050TTMC/3S1050TTRC

## MHC Model (Economical Series)

1. Automatic Die Cutting Machine (Top Feeder)  
MHC-820/1060
2. Automatic Die Cutting Machine with Three Side Stripping (Top Feeder)  
MHC-820CE/1060CE
3. Automatic Die Cutting & Hot Stamping Machine (Top Feeder)  
MHC-820T/1060AT
4. Automatic Die Cutting & Hot Stamping Machine with Stripping (Top Feeder)  
MHC-820TC/1060ATC
5. Automatic Lead Edge Feeding Die Cutting Machine  
MHC-1300F/1500F/1650F/1900F
6. Automatic Lead Edge Feeding Die Cutting Machine with Three Side Stripping  
MHC-1300FC/1500FC/1650FC/1900FC
7. Automatic Bottom Feeder Die Cutting Machine  
MHC-1300EF/1500EF/1650EF/1900EF
8. Automatic Bottom Feeder Die Cutting Machine with Three Side Stripping  
MHC-1300EFC/1500EFC/1650EFC/1900EFC
9. Automatic Die Cutting Machine (Tiptronic Feeder)  
MHC-1100E/1300E/1500E/1650E/1900E
10. Automatic Die Cutting Machine with Three Side Stripping (Tiptronic Feeder)  
MHC-1100EC/1300EC/1500EC/1650EC/1900EC
11. Semi-Automatic Die Cutting Machine  
MHC-1100B/1300B/1500B/1650B/1900B
12. Semi-Automatic Die Cutting Machine with Three Side Stripping  
MHC-1100BC/1300BC/1500BC/1650BC/1900BC

13. Semi-Automatic Die Cutting Machine with Feeding Table  
MHC-1100BL/1300BL/1500BL/1650BL/1900BL

14. Semi-Automatic Die Cutting Machine with Feeding Table & Stripping  
MHC-1100BLC/1300BLC/1500BLC/1650BLC/1900BLC

## **Company Introduction:**

Zhejiang Dayuan Machinery Co., Ltd. (Origin RuianRuiyang Printing Machinery Co., Ltd.) is headquartered in No.105, HaizeRoad, Binhai New Area, Pingyang county, Wenzhou city, covering an area of over 40000 square meters and construction area of over 80000 square meters.

Founded in 1999, Dayuan now owns modern production facilities and over 400 employees with annual production capacity of 600 sets.

At Dayuan, we are proud that every machine has been under manufacturing in strict accordance with ISO 9001 Quality Management System and CE Standards. There are over 3000 machines running in 30 countries, such as UK, Spain, Egypt, Saudi Arabia, Poland, Czech, Russia, South Africa, Brazil, Argentina and etc. Since started the partnership with world leading packaging companies of European, Asian, Middle East, North & South America companies, Dayuan will continually satisfy our customers by offering high quality machines and first-class service.

## **Factory:**



## Workshop:

